

Aerojet Rocketdyne Activities – July 2015
(Bold Items shown on Figure)

- A **GET L-A**
- B **GET L-B**
- C **ARGET**
- D **AC-6**
- E **AC-12**
- F **AC-18** and **AC-23**. AC-18 operating full-time with IX units for perchlorate removal.
- G **AC-24**
- H **GET AB** –Pipeline completed to bring two new extraction wells to the plant. These wells are located to the west of the former White Rock Road North Dump. These wells are now operating
- I **GET E/F** Installing IX units for perchlorate removal – allowing plant expansion. Some IX units are now operational. A fifth air stripper has been purchased and will be added. A new pipeline has been completed connecting extraction wells on the IRCTS property in southeast Zone 2, and extraction wells for the Propellant Burn Area and GET F Sprayfield. The two Zone 2 wells and to of the BPA wells are operating. The Sprayfield connection will happen later this year or early next year to connect its 6 extraction wells.
- J **GET D**
- K **GET J** - Pipeline being constructed to connect 3 new Layer E extraction wells in Gold River. The last section to be completed is down Gold Country Boulevard.
- L **GET K**
- M **GET H**
- N **White Rock Road North Dump -**
- O **New Monitor Wells/Extraction Wells:**
 - 1. Iron Point Road – Six monitor well locations. Four of the wells have been completed and one well location has been moved. The wells are to determine extent of plume in vicinity of Lake Natomas and Factory Outlet area.
 - 2. Three new monitor wells are being placed in Carmichael to the west of GET LB. Two of the wells have been completed. The third on Marshall Avenue started this week. Aerojet is supply sound curtains to minimize the disturbance on a nearby residence and will be collecting sound measurements. These wells are being used to determine extent of NDMA in the northern plume.
 - 3. Completing extraction well components at two extraction wells south of White Rock Road North Dump. One to GET AB one to White Rock GET.
 - 4. Evaluating a new extraction well in Ancil Hoffman or Rossmoor Bar Park
- P **Chettenham Well**
- Q Sacramento County Water Supply Replacement Issues. Golden State Water Company and Carmichael Water District are working on a project to bring American River water to Golden State
- R Draft Soils Engineering Evaluation and Cost Analysis – Aerojet has proposed to expedite soil cleanups where the proposed remedy is excavation. This document would be used as the process to do so. Agencies are reviewing. EPA is indicating that the proposed process will likely not be acceptable.
- S Western Groundwater Operable Unit. Aerojet submitted an Outer Barrier Performance Evaluation Report to assess plume capture in April 2015 and an Inner Barrier report in August 2014.
- T Perimeter Operable Unit – Aerojet is completing improvements to capture system discussed above. Aerojet has constructed the SVE system in Area 4900 and has

conducted a pilot test in to determine radius of influence. Aerojet has submitted the design for the full-scale system. The Air Quality Management District is reviewing the risk assessment for the SVE system and will be establishing effluent limitations. Essentially all of the components of a permit to operate without actually obtaining the permit.

- U Boundary OU – Draft ROD. EPA estimates that the ROD will be completed by soon.
- V Island OU – Agencies have supplied comments on draft remedial investigation report and Aerojet has prepared responses. Aerojet has submitted draft risk assessment and the Agencies have supplied comments. Aerojet has submitted a draft Remedial Investigation Report for Area 40 and it is in review.

W **Area 39 Open Space.**

X Treatability Studies: No changes

- i) Encapsulated Bacteria for NDMA Destruction. Microvi expanded pilot study is on-going. 120 gpm at **GET E/F** – fluidized bed. No Change. Looking at testing using acetone in an additional study.
- ii) **Area 40 PRB.** Results of 2014 sampling event have been received. PRB still reducing VOC and perchlorate concentrations.
- iii) Use of So. Cal perchlorate ion exchange resin to pretreat IX system at Aerojet. Evaluation completed. Full scale pilot at ARGET is taking place.

Y Eastern Operable Unit. Preparing Remedial Investigation report.

Z Central Operable Unit. Preparing Remedial Investigation report

AA Cavitt Ranch Operable Unit – Aerojet has prepared a remedial investigation sampling plan and the Agencies have this under review.

BB Groundwater – General. Aerojet has submitted a draft groundwater monitoring plan and the Agencies have supplied comments.

CC NPDES Permit.

DD Aerojet Landfills. Aerojet is in discussions with the County of Sacramento, Cal Recycle and the Agencies regarding removal of the landfills. Timing of removal with respect to development of the nearby property.

IRCTS:

1. **Sigma Complex In-situ Bioremediation of Groundwater.** Boeing has turned the system off and is evaluating rebound in groundwater. Concentrations of perchlorate have been reduced significantly. No changes.
2. **White Rock Road Dumps 1 and 2.** Closure is complete. Developing Land Use Covenants
3. **GET F Sprayfield and PBA.** Two extraction wells are operational and are sending the water to GET EF. Sprayfield extraction wells will be hooked up later this year or early next year. Aerojet has proposed additional soil remedial actions for the PBA and is revising the plan based on agency comments.
4. **GET H-B.** Boeing supplied a contingency plan and the agencies have supplied comments.
5. **SGSA Treatment System** – Boeing supplied a contingency plan and the agencies have supplied comments. Looking to add extraction wells to enhance plume containment near Sunrise Boulevard, north of Douglas Road.